[0051] FIG. **1** is a block diagram of a communication terminal according to one embodiment of the present invention.

[0052] Referring to FIG. **1**, a communication terminal **100** includes a wireless communication unit **110**, an A/V (audio/video) input unit **120**, a manipulating unit **130**, a sensing unit **140**, an output unit **150**, a storage unit **160**, an interface unit **170**, a control unit **180**, a power supply unit **190**, and the like. In implementing the respective elements for real application, it is understood that at least two of the elements can be combined into one or one element can be subdivided into at least two elements. The communication terminal **100** can include other components. All components of the communication terminal **100** are operatively coupled and configured.

[0053] The above elements are explained one by one as follows.

[0054] First of all, the wireless communication unit **110** includes a broadcast receiving module **111**, a mobile communication module **112**, a wireless Internet module **113**, a short-range communication module **114**, and a GPS module **115**.

[0055] The broadcast receiving module **111** receives a broadcast signal and/or broadcast associated information from an external broadcast managing server via a broadcast channel. The broadcast channel can include one of a satellite channel and a terrestrial channel. The broadcast managing server preferably means a server that generates and/or transmits a broadcast signal and/or broadcast associated information or a server that receives and/or transmits a previously generated broadcast signal and/or broadcast associated information to a terminal.

[0056] The broadcast associated information may mean information associated with a broadcast channel, a broadcast program or a broadcast service provider. The broadcast signal can include at least one of a TV broadcast signal, a radio broadcast signal, and a data broadcast signal. And, the broadcast signal can further include a broadcast signal having a data broadcast signal combined with a TV or radio broadcast signal.

[0057] Meanwhile, the broadcast associated information can be provided via a mobile communication network or other network. If so, the broadcast associated information can be received by the mobile communication module **112**.

[0058] The broadcast associated information can exist in various forms. For instance, the broadcast associated information can exist in such a format as EPG (electronic program guide) of DMB (digital multimedia broadcasting), ESG (electronic service guide) of DVB-H (digital video broadcast-handheld), etc.

[0059] The broadcast receiving module **111** receives broadcast signals using various broadcasting systems. In particular, the broadcast receiving module **111** can receive a digital broadcast signal using such a digital broadcasting system as DMB-T (digital multimedia broadcasting-terrestrial), DMB-S (digital multimedia broadcasting-satellite), MediaFLO (media forward link only), DVB-H (digital video broadcast-handheld), ISDB-T (integrated services digital broadcast-terrestrial), and the like.

[0060] Of course, the broadcast receiving module **111** is configured suitable for all kinds of broadcasting systems for providing broadcast signals as well as the above-explained digital broadcasting systems.

[0061] The broadcast signal and/or broadcast associated information, received via the broadcast receiving module **111**, can be stored in the storage unit **160**.

[0062] The mobile communication module **112** transmits/receives wireless signals to/from at least one of a base station, an external terminal, and a server on a mobile communication network or other network. In this case, the wireless signals can include at least one of an audio signal, a video communication call signal, and data variously formatted according to character/multimedia message transmission and reception.

[0063] The wireless internet module **113** preferably can be a module for providing wireless internet access. And, the wireless internet module **113** can be provided within or outside the communication terminal **100**.

[0064] The short-range communication module **114** preferably is a module for providing short-range communication. As the short-range communication technology, Bluetooth, RFID (radio frequency identification), IrDA (infrared data association), UWB (ultra-wideband), ZigBee or the like can be used.

[0065] And, the GPS (global positioning system) module **115** receives position information and other data from a plurality of satellites.

[0066] Meanwhile, the A/V (audio/video) input unit **120** is provided for audio and/or video signal input and can include a camera module **121**, a microphone module **122**, and the like. The camera module **121** processes an image frame of a still picture or moving picture obtained in a video communication mode or a photographing mode by an image sensor. And, the processed image frame can be displayed by a display module **151** of the output unit **150**.

[0067] The image frame processed by the camera module **121** is stored in the storage unit **160** or can be externally transmitted via the wireless communication unit **110**. Optionally, at least two camera modules **121** can be provided according to a configuration of the terminal.

[0068] The microphone module **122** receives an external audio signal via a microphone in a phone call mode, a recording mode, a voice recognition mode or the like, and then processes the received signal into electrical audio data. In case of the phone call mode, the processed audio data is converted into a transmittable format via the mobile communication module **112** and then outputted to a mobile communication base station. The microphone module **122** can implement various kinds of noise removing algorithms to remove noise generated in the course of receiving the external audio signal. In addition to or in lieu of the microphone module **122**, other types of audio input unit may be used.

[0069] The manipulating unit (e.g., user input unit) **130** generates key input data inputted for an operational control of the terminal by a user. The manipulating unit **130** can include at least one of a keypad, a dome switch, a touchpad (static pressure/capacitance), a jog wheel, a jog switch, and the like. In particular, the touchpad configures a mutual layer structure in cooperation with the display module **151**, which will be explained later, to be implemented into a touchscreen.

[0070] The sensing unit **140** senses a current status of the communication terminal **100** such as an open/close status of the communication terminal **100**, a position of the communication terminal **100**, a presence or non-presence of a user's touch and the like, and then accordingly generates a sensing signal for controlling an operation of the communication terminal **100**.

[0071] For instance, if the communication terminal **100** is a slide type phone, the sensing unit **140** is capable of sensing whether the slide phone is open or closed. And, the sensing unit **140** is responsible for sensing the functions associated